



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090800

Mode: Highway

Status: Submitted

US-17 (Wilmington Highway)

From/Cross Street: SR 1130 (Old Maplehurst Road)

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$25,824,000

Description:

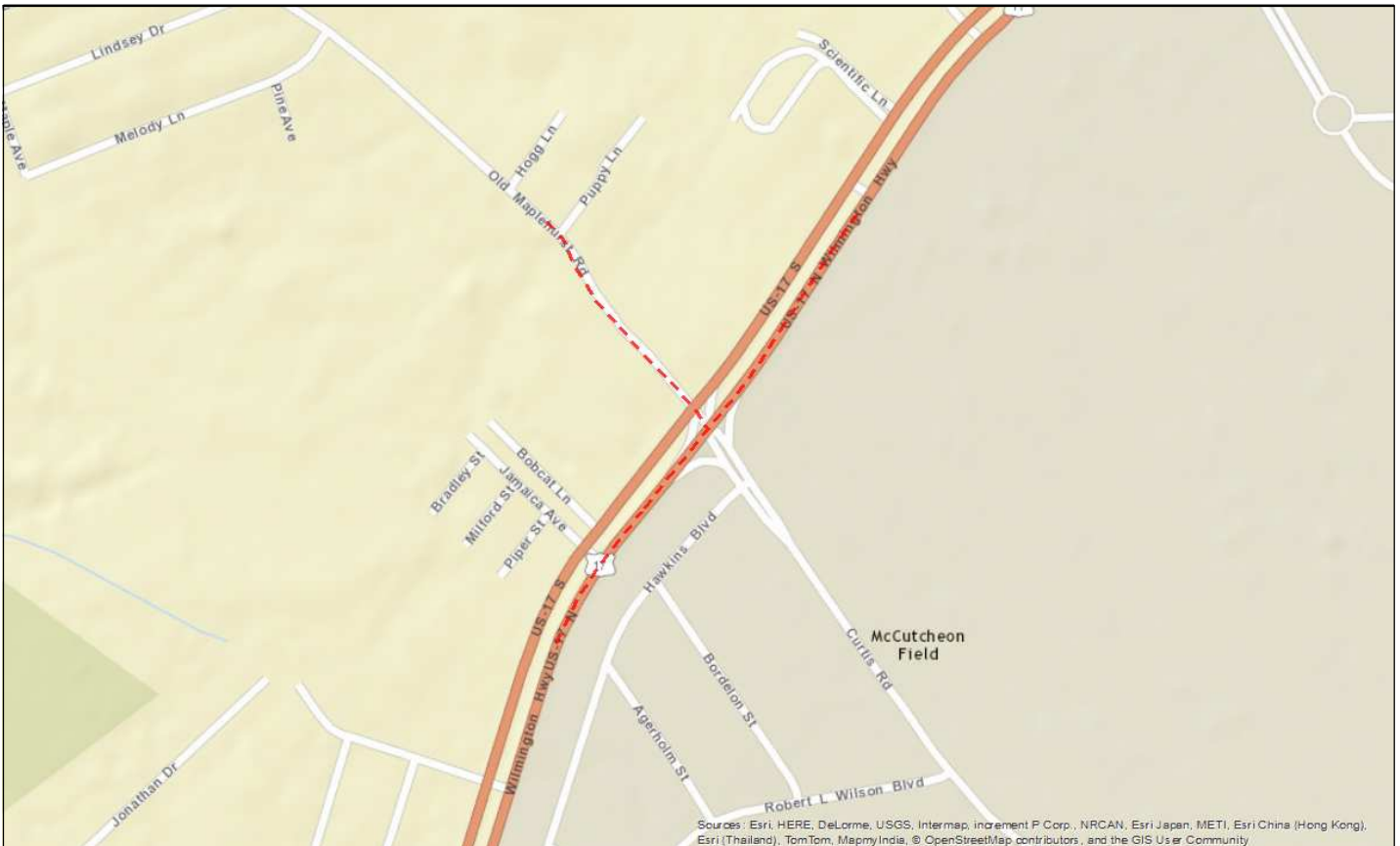
Construct interchange and Associated Improvements at Mcas New River Main Gate.

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO

Project Location



Statewide Mobility Total Score: 39.25

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Multimodal + [Freight & Military] (20%) 40.37 [Travel Time] Benefit/Cost (30%) 18.43 Congestion (V/C) (30%) 50.76 Safety (10%) 66.65 Economic Competitiveness (10%) 37.59	N/A	N/A
Totals: Weight: 100% Weighted Score: 39.25		

Regional Impact Total Score: 59.54

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 66.65 Multimodal + [Freight & Military] (25%) 40.37 [Travel Time] Benefit/Cost (20%) 18.43	Percent: 15% Points: 94	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 30.44		

Division Needs Total Score: 27.52

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Multimodal + [Freight & Military] (10%) 40.37 Congestion (V/C) (20%) 50.76 Safety (20%) 66.65	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 27.52		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	6
Roadway has Curb & Gutter?	No
Volume (AADT):	50525.91
Capacity:	99237.74
Volume/Capacity Ratio:	0.51
% Autos:	94%
% Trucks:	6%
Truck Volume:	2981.77
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	33.3
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	71
Actual Congested Speed:	29.96
Travel Time Index:	1.84

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	21112000
Travel Time Savings for 30 Years (Autos):	19866081.36
Travel Time Savings for 30 Years (Trucks):	1245918.64
Long-Term Employment:	315
% Change in Economy:	0.00043674
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	94	0
	0%	0	0
	0%	0	0
TOTAL Division Points		94	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$21,204,000	TIP Unit
Right-of-Way Cost:	\$4,620,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$25,824,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$25,824,000	